| Ref<br># | Hits  | Search Query   | DBs                             | Default<br>Operator | Plurals | Time Stamp       |
|----------|-------|--|---------------------------------|---------------------|---------|------------------|
|          |       | (prioritiz\$3 reorder\$3 schedul\$3 prioritize prioritized prioritizing re-prioritiz\$3) same request same (age timstamp)    | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 14:22 |
| LI       | 46936 | ((prioritiz\$3 reorder\$3 schedul\$3) near5 request) (queues near5 priority) (FIFO)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 13:29 |
| L2       | 88781 | (available unavailable) near10 (memory location adress bank)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 09:30 |
| L3       | 8549  | ((prioritiz\$3 reorder\$3 schedul\$3) near5 request)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 09:33 |
| L4       | 6593  | (queues near5 priority)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 09:31 |
| L5       | 6     | 2 same 3 same 4  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 09:31 |
| L6       | 366   | 2 and 3 and 4  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 09:33 |
| L7       | 10057 | ((prioritiz\$3 reorder\$3 schedul\$3 prioritize prioritized prioritizing re-prioritiz\$3) near8 request)                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 14:19 |
| L8       | 11481 | (available unavailable open) adj (bank memory row)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 14:18 |
| L9       | 5     | 7 near8 8  | USPAT;                          | OR                  | ON      | 2004/11/22 14:11 |
| L10      | 10    | 7 same 8   | JPO<br>USPAT;<br>JPO            | OR                  | ON      | 2004/11/22 14:14 |
| LII      | 7255  | (available unavailable) adj (bank memory row)  | USPAT                           | OR                  | ON      | 2004/11/22 14:13 |
| L12      | 339   | 7 and 8  | USPAT;<br>JPO                   | OR                  | ON      | 2004/11/22 14:14 |
| L13      | 11312 | (available unavailable busy availability) adj (bank memory row)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 14:18 |
| L14      | 1030  | ((prioritiz\$3 reorder\$3 schedul\$3 prioritize prioritized prioritizing re-prioritiz\$3) near10 (age timestamp))            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 14:21 |
| L15      | 10    | 13 and 14  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 14:19 |
| L16 .    | 546   | (prioritiz\$3 reorder\$3 schedul\$3 prioritize prioritized prioritizing re-prioritiz\$3) same request same (age time\$stamp) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 14:24 |
| L17      | 6     | 13 and 16  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR                  | ON      | 2004/11/22 14:22 |
| S1       | 1150  | 711/147  | USPAT                           | OR                  | OFF     | 2003/09/02 14:38 |
| S2       | 5899  | ((prioritiz\$3 reorder\$3 schedul\$3) near5 request) (queues near5 priority)   | USPAT                           | OR                  | ON      | 2003/01/15 12:13 |
| S3       | 23200 | ((prioritiz\$3 reorder\$3 schedul\$3) near5 request) (queues near5 priority) (FIFO)  | USPAT                           | OR                  | ON      | 2004/11/22 09:28 |

| S4  | 7750  | ((prioritiz\$3 reorder\$3 schedul\$3) near5 request) (queues near5 priority) ( queues near5 FIFO)   | USPAT | OR | ON  | 2003/01/15 14:47  |
|-----|-------|---|-------|----|-----|-------------------|
| S5  | 164   | 711/147 and (((prioritiz\$3 reorder\$3 schedul\$3) near5 request) (queues near5 priority) ( queues near5 FIFO))   | USPAT | OR | ON  | 2003/01/15 12:15  |
| S6  | 2616  | (prioritiz\$3 re\$1order\$3 out\$1of\$1order) near10 (requests queues)  | USPAT | OR | ON  | 2003/01/15 14:48  |
| S7  | 0     | ((prioritiz\$3 re\$1order\$3 out\$1of\$1order) near10<br>(requests queues) ) and @ad < "1996"   | USPAT | OR | ON  | 2003/01/15 14:36  |
| S8  | 54    | 711/147 and ((prioritiz\$3 re\$1order\$3 out\$1of\$1order) near10 (requests queues))  | USPAT | OR | ON  | 2003/01/15 13:34  |
| S9  | 565   | ((prioritiz\$3 re\$1order\$3 out\$1of\$1order) near10 (requests queues) ) and (queues near5 (priority prioritizer prioritizing))  | USPAT | OR | ON  | 2003/01/15-13:37  |
| S10 | 9     | 711/147 and (((prioritiz\$3 re\$1order\$3 out\$1of\$1order) near10 (requests queues) ) and (queues near5 (priority prioritizer prioritizing)))  | USPAT | OR | ON  | 2003/01/15 13:37  |
| S11 | 865   | ((prioritiz\$3 re\$1order\$3 out\$1of\$1order) near10<br>(requests queues)) and FIFO  | USPAT | OR | ON  | 2003/01/15 13:40  |
| S12 | 7     | 711/147 and (((prioritiz\$3 re\$1order\$3 out\$1of\$1order) near10 (requests queues) ) and (queues near5 (priority prioritizer prioritizing))) and (((prioritiz\$3 re\$1order\$3 out\$1of\$1order) near10 (requests queues) ) and FIFO) | USPAT | OR | ON  | 2003/01/15 13:41  |
| S13 | 47706 | (available unavailable) near10 (memory location adress)   | USPAT | OR | ON  | 2004/11/22 09:29  |
| S14 | 199   | ((((prioritiz\$3 re\$1order\$3 out\$1of\$1order) near10<br>(requests queues) ) and (queues near5 (priority prioritizer<br>prioritizing))) and ((available unavailable) near10<br>(memory location adress))                              | USPAT | OR | ON  | 2003/01/15 14:47  |
| S15 | . 54  | ((available unavailable) near10 (memory location adress)) same ((prioritiz\$3 re\$1order\$3 ordering) near10 (requests queues))   | USPAT | OR | ON  | -2003/02/06 18:12 |
| S16 | 71835 | (available unavailable non\$1responding responding responsive) near10 (memory location adress bank)   | USPAT | OR | ON  | 2003/09/02 14:38  |
| S17 | 1328  | ((prioritiz\$3 re\$1order\$3 ordering) near10 (requests queues) ) and ((available unavailable non\$1responding responding responding responsive) near10 (memory location adress bank))  | USPAT | OR | ON  | 2003/02/07 13:12  |
| S18 | 51    | 711/147 and (((prioritiz\$3 re\$1order\$3 ordering) near10 (requests queues) ) and ((available unavailable non\$1responding responding responsive) near10 (memory location adress bank)))   | USPAT | OR | ON  | 2003/01/15 15:17  |
| S19 | 111   | requests same (location near10 availability)  | USPAT | OR | ON  | 2003/01/15 16:23  |
| S20 | 84    | requests same (location near6 availability)   | USPAT | OR | ON  | 2003/01/15 16:22  |
| S21 | 70    | requests same (location near4 availability)   | USPAT | OR | ON. | 2003/01/15 16:41  |
| S22 | 55    | ((availab\$5 unavailable ("not" adj1 availab\$5)) near10 (memory location adress)) same ((prioritiz\$3 re\$1order\$3 ordering) near10 (requests queues))  | USPAT | OR | ON  | 2003/01/16 10:57  |
| S23 | 2762  | (request near10 ((available busy) near10 (memory address location bank block section portion)))   | USPAT | OR | ON  | 2003/02/06 15:44  |
| S24 | 831   | (request near5 ((available busy) adj5 (memory address location bank block section portion)))  | USPAT | OR | ON  | 2003/02/06 15:45  |
| S25 | 664   | (request near5 ((available busy) adj5 (memory address location bank)))  | USPAT | OR | ON  | 2003/02/06 14:12  |
| S26 | 965   | queue and ((control controlling manager managing management) near5 requests near5 memory)   | USPAT | OR | ON  | 2003/02/06 14:13  |
| S27 | 325   | queue same ((control controlling manager managing management) near5 requests near5 memory)  | USPAT | OR | ON  | 2003/02/06 14:13  |
|     |       |   |       |    |     |                   |

| S28  | 11                    | ((request near5 ((available busy) adj5 (memory address location bank)))) same (queue same ((control controlling manager managing management) near5 requests near5 memory))  | USPAT | OR | ON   | 2003/02/06 14:13 |
|------|-----------------------|---|-------|----|------|------------------|
| S29  | 3360                  | (control controlling manager managing management) near5 requests near5 memory   | USPAT | OR | ON   | 2003/02/06 15:45 |
| S30  | 1142                  | (request near5 ((available busy idle ready unused) adj5 (memory address location bank block section portion)))  | USPAT | OR | ON   | 2003/02/06 18:10 |
| S31  | 11                    | queues same ((control controlling manager managing management) near5 requests near5 memory) same ((request near5 ((available busy idle ready unused) adj5 (memory address location bank block section portion)))) | USPAT | OR | ON   | 2003/02/06 15:54 |
| S32  | 72                    | ((control controlling manager managing management) near5 requests near5 memory ) same ((request near5 ((available busy idle ready unused) adj5 (memory address location bank block section portion))))            | USPAT | OR | ON   | 2003/02/06 15:54 |
| S33  | 1263                  | (request near5 ((availab\$5 accessible busy idle ready unused) adj5 (memory address location bank block section portion)))  | USPAT | OR | ON   | 2003/02/06 18:11 |
| S34  | 3314                  | (prioritiz\$3 re\$1order\$3 ordering) near10 (requests queues)  | USPAT | OR | ON   | 2003/02/07 11:08 |
| S35  | <b>8</b> <sup>(</sup> | ((request near5 ((availab\$5 accessible busy idle ready unused) adj5 (memory address location bank block section portion)))) same ((prioritiz\$3 re\$1 order\$3 ordering) near10 (requests queues))               | USPAT | OR | ON   | 2003/02/07 11:06 |
| S36  | 11808                 | (queues request) same ((availab\$5 accessible busy idle ready unused) near10 (memory address location bank block section portion))  | USPAT | OR | ON   | 2003/02/07 11:07 |
| S37  | 111                   | ((prioritiz\$3 re\$1order\$3 ordering) near10 (requests queues)) same ((queues request) same ((availab\$5 accessible busy idle ready unused) near10 (memory address location bank block section portion)))        | USPAT | OR | ON   | 2003/02/07 11:08 |
| S38  | 292                   | (prioritiz\$3 re\$1order\$3 ordering) near10 ((availab\$5 unavailab\$5 busy non\$1responding responding responsive) near10 (memory location adress bank))   | USPAT | OR | ON   | 2003/02/07 13:14 |
| S39  | 23                    | (prioritiz\$3 re\$1 order\$3 ordering) near10 ((unavailab\$5 busy non\$1 responding responding responsive) adj3 (memory location adress bank))  | USPAT | OR | ON » | 2003/02/07 13:20 |
| S40  | 5                     | (prioritiz\$3 re\$1order\$3 ordering) near10 ((unavailab\$5 busy) adj3 (memory location adress bank))   | USPAT | OR | ON   | 2003/02/07 13:25 |
| S41  | 9                     | (prioritiz\$3 re\$1 order\$3 ordering) same ((unavailab\$5 busy) adj3 (memory location adress bank))  | USPAT | OR | ON   | 2003/02/07 13:31 |
| S42  | 12                    | (prioritiz\$3 re\$1 order\$3 ordering) same ((unavailab\$5 busy idl\$3) adj3 (memory location adress bank))   | USPAT | OR | ON   | 2003/02/07 13:38 |
| S43. | - 235                 | (prioritiz\$3 re\$1order\$3 ordering) near20 (availab\$5 near10 (memory location adress bank))  | USPAT | OR | ON   | 2003/02/07 13:39 |
| S44  | 1435                  | (prioritiz\$3 (re\$1order\$3 and ordering)) near5 (queues request)  | USPAT | OR | ON   | 2003/02/07 15:38 |
| S45  | 3                     | ((re\$1order\$3) near5 (queue requests)) near20 (availab\$5 near10 (memory location adress bank))   | USPAT | OR | ON   | 2003/02/07 13:47 |
| S46  | 4                     | ((re\$1order\$3 re\$1prioritiz\$3 re\$1arrang\$3) near5 (queue requests)) near20 (availab\$5 near10 (memory location adress bank))  | USPAT | OR | ON   | 2003/02/07 13:48 |
| S47  | 35                    | (prioritiz\$3 (re\$1order\$3 and ordering)) near20 (availab\$5 near10 (memory location adress bank))  | USPAT | OR | ON   | 2003/02/07-15:38 |
| S48  | 38                    | (prioritiz\$3 (re\$1order\$3 and ordering)) near20 (availab\$5 near10 (memory location adress bank))  | USPAT | OR | ON   | 2003/08/29 12:50 |

| S49 | 38    | (prioritiz\$3 (re\$1order\$3 and ordering)) near20 (availab\$5 near10 (memory location adress bank))   | USPAT                           | OR | ON   | 2003/08/29 12:50    |
|-----|-------|--|---------------------------------|----|------|---------------------|
| S50 | 25    | (prioritiz\$3 (re\$1order\$3 and ordering)) near10<br>((availab\$5 active) adj9 (memory location address bank))  | USPAT                           | OR | ON   | 2003/08/29 13:02    |
| S51 | 54199 | (prioritiz\$3 re\$1order\$3 order\$3 schedul\$3) near10 (request access)   | USPAT                           | OR | ON   | 2003/08/29 13:02    |
| S52 | 64960 | ((availab\$5 active operative operable) adj9 (memory location address bank))   | USPAT                           | OR | ON   | 2003/08/29 13:03    |
| S53 | 792   | ((prioritiz\$3 re\$1order\$3 order\$3 schedul\$3) near10 (request access)) same ( ((availab\$5 active operative operable) adj9 (memory location address bank)) ) | USPAT                           | OR | ON . | 2003/08/29 13:03    |
| S54 | 223   | ((prioritiz\$3 re\$1order\$3 order\$3 schedul\$3) near10 (request access)) near10 (((availab\$5 active operative operable) adj9 (memory location address bank))) | USPAT                           | OR | ON   | 2003/08/29 13:04    |
| S55 | 36314 | (available unavailable) near4 (memory location adress bank)  | USPAT                           | OR | ON   | 2003/09/02 14:39    |
| S56 | 719   | (ordering reordering) near7 requests   | USPAT                           | OR | ON   | 2003/09/02 14:45    |
| S57 | 12    | ((available unavailable) near4 (memory location adress bank)) same ((ordering reordering) near7 requests)  | USPAT                           | OR | ON   | 2003/09/02 14:40    |
| S58 | 711   | (ordering reordering schedul\$3) same ((available unavailable) near4 (memory location adress bank))  | USPAT                           | OR | ON   | 2003/09/02 14:46    |
| S59 | 190   | (ordering reordering schedul\$3) near10 ((available unavailable) near4 (memory location adress bank))  | USPAT .                         | OR | ON   | 2003/09/02 16:11    |
| S60 | 1     | "6272600".pn.  | USPAT                           | OR | OFF  | 2003/09/15 15:10    |
| S61 | 1     | "5642494".pnpn.  | USPAT                           | OR | OFF  | 2003/09/15 17:51    |
| S62 | 28114 | (order\$3 reorder\$3 schedul\$3) near6 requests  | US-PGPUB;                       | OR | ON   | 2004/03/30 10:37    |
|     |       |  | USPAT;<br>EPO; JPO              | 1  | \$-  | ⊕<br>✓ <sub>m</sub> |
| S63 | 2647  | age near5 (memory page block bank)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2004/03/30 11:10    |
| S64 | 65466 | availab\$5 near5 (memory page block bank)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2004/03/30 11:09    |
| S65 | 1     | ((order\$3 reorder\$3 schedul\$3) near6 requests) same (age near5 (memory page block bank)) same (availab\$5 near5 (memory page block bank))                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2004/03/30 10:44    |
| S66 | 2     | ((((order\$3 reorder\$3 schedul\$3) near6 requests) same (age near5 (memory page block bank))) and (availab\$5 near5 (memory page block bank))                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2004/03/30 10:45    |
| S67 | 77    | ((order\$3 reorder\$3 schedul\$3) near6 requests) and (age near5 (memory page block bank)) and (availab\$5 near5 (memory page block bank))                       | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2004/03/30 10:46    |
| S68 | 9216  | (age old) near5 (memory page block bank)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2004/03/30 11:00    |
| S69 | 4     | ((order\$3 reorder\$3 schedul\$3) near6 requests) with ((age old) near5 (memory page block bank))  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2004/03/30 11:01    |
| S70 | 24    | ((order\$3 reorder\$3 schedul\$3) near6 requests) same ((age old) near5 (memory page block bank))  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2004/03/30 11:01    |
| S71 | 74927 | availab\$5 near5 (memory page block bank address)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON   | 2004/03/30 11:10    |

| S72 | 15531 | (age old priority timestamp) near8 request  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2004/03/30 11:14 |
|-----|-------|---|---------------------------------|----|-----|------------------|
| S73 | 255   | (availab\$5 near5 (memory page block bank address)) same ((age old priority timestamp) near8 request)                                     | USPAT                           | OR | OFF | 2004/03/30 11:15 |
| S74 | 2948  | priority near5 queue  | USPAT                           | OR | OFF | 2004/03/30 11:15 |
| S75 | 11    | ((availab\$5 near5 (memory page block bank address))<br>same ((age old priority timestamp) near8 request)) same<br>(priority near5 queue) | USPAT                           | OR | OFF | 2004/03/31 16:12 |
| S76 | 26    | ((availab\$5 near5 (memory page block bank address resoures)) same ((age old timestamp time\$2stamp) near8 request))                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2004/03/31 16:13 |